

Power supply unit - FB-PS-MB-Y/EX - 2316148

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Four-channel redundant fieldbus power supply base. Host connections are for two Yokogawa AKB336 20-pin cables.



Product Description


Yokogawa four-channel, redundant fieldbus power supply base with host connectors for two AKB336 Yokogawa 20-pin cables.

Your advantages

- Redundancy
- Built-in relay diagnostics



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 128368
GTIN	4055626128368

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	180 mm
Height	77 mm
Depth	180 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	95 % (non-condensing)
Degree of protection	IP20

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Technical data

General

Net weight	222.222 g
Conformance	CE-compliant
Fieldbus Foundation	FF-831

Power supply

Conductor cross section flexible max.	2.50 mm ²
Conductor cross section flexible min.	0.20 mm ²
Conductor cross section solid max.	2.50 mm ²
Conductor cross section solid min.	0.20 mm ²
Conductor cross section AWG max.	12
Conductor cross section AWG min.	30

Interfaces

Interface 1	Yokogawa DCS cabling system
Interface	Host system
Number of connections	2
Connection method	AKB336 cable
Torque	0.4 Nm ... 0.5 Nm (AKB336 cable)
Inductance Li	17.8 mH (trunk and host)
Max. output voltage U _o	30 V DC (trunk and host)

Digital outputs

Output name	Alarm
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Standards and Regulations

Type of test	Corrosive resistance in acc. to ANSI-ISA 71.04-1985 - Severity level G3
Designation	Standards/regulations
Standards/regulations	Ring wave noise immunity in acc. with IEC 61000-4-12
Designation	Standards/regulations
Standards/regulations	Dry heat in acc. with IEC 61131-2
Designation	Standards/regulations
Standards/regulations	Damp heat in acc. with IEC 61131-2
Designation	Standards/regulations
Standards/regulations	Shock and vibration in acc. with EN 61131-2 and EN 50178
	IEC 61158-2
	NE21
	EN 61326
Conformance	CE-compliant
Fieldbus Foundation	FF-831
ATEX	Sira 11ATEX4216X; II 3 G Ex nA nC IIC T4 Gc
IECEX	IECEX SIR 11.0097X; Ex nA nC IIC T4 Gc
CSA, USA/Canada	Class I, Div. 2, Groups A, B, C, D; Ex nA nC IIC T4 Class I, Zone 2, AEx nA nC IIC T4

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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27242692
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242611
eCl@ss 8.0	27242611
eCl@ss 9.0	27242692

ETIM

ETIM 4.0	EC002583
ETIM 5.0	EC001598
ETIM 6.0	EC002584
ETIM 7.0	EC002584

Accessories

Spare parts

Power module - FB-PS-PLUG-24DC/28DC/0.5/EX - 2316132



Power supply plug for fieldbus system in hazardous locations. Provides 500 mA @ 28 V DC to couplers along the trunk.

Mouser Electronics

Authorized Distributor

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